



12-22-03

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PATENT  
ATTORNEY DOCKET NO. 11187-00016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Wing Ming Keung, Bert L. Vallee, and ) Examiner:  
Guangyao Gao )  
 )  
Serial No.: 10/609,120 ) Art Unit:  
 ) 1614  
Filed: June 27, 2003 )  
 )  
Title: COMPOUNDS USEFUL FOR THE )  
INHIBITION OF ALDH )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

In regard to the above identified application, we are transmitting herewith the attached:

1. Information Disclosure Statement, (2 pages);
2. PTO Form 1449, (2 pages);
3. Copies of twenty (20) references; and
4. Return postcard.


With respect to additional fees, no additional fee is required. Nonetheless, the Commissioner is hereby authorized to charge any additional fees or credit overpayment to Deposit Account No. 19-0733.

Respectfully submitted,

Dated:

December 18, 2003

By

  
John P. Iwanicki, Reg. No. 34,628  
BANNER & WITCOFF, LTD.  
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Boston, MA 02109  
(617) 720-9600



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**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§ 1.97-1.99, Applicants hereby submit the enclosed PTO Form 1449. Copies of these references are enclosed. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. § 1.56 and is being filed before the mailing date of a first Office Action on the merits.

An English abstract follows the Chinese text of the Li et al. reference: "Synthesis of isoflavones derivatives (I)-7-methoxy-3'-N, N-dialkylaminomethyl-4'-hydroxy isoflavones," *Chinese J. Med. Chem.*, 1(2):38-42 (1991).

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is

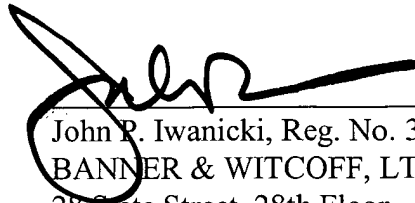
intended as to the relative importance of any portion of the references. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. § 102 or § 103.

Please apply any charges or credits to Deposit Account No. 19-0733.

Respectfully submitted,

Date: \_\_\_\_\_

December 18, 2003



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USPTO Form 144 9		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. <b>11187-00016</b>		Serial No. <b>10/609,120</b>	
INFORMATION DISCLOSURE CITATION Sheet 1 of 2				Applicants: <b>Wing Ming Keung et al.</b>			
				Filing Date <b>June 27, 20093:</b>		Group: <b>1614</b>	
PATENT DOCUMENTS							
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)	
	AA	5,204,369	04/20/93	Vallee et al.	514	456	07/01/91
	AB	5,624,910	04/29/97	Vallee et al.	514	27	06/30/92
	AC	5,885,028	03/23/99	Blanchard et al.	405	210	12/10/96
	AD	6,121,010	09/19/00	Vallee et al.	435	26	05/12/99
	AE	6,255,497	07/03/01	Vallee et al.	549	403	11/12/98
FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
	AF	WO 91/15483	10/17/91	PCT		YES	NO
	AG						
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
	AH	Baker and Robinson, "Synthetical Experiments in the <i>iso</i> Flavone Group. Part III. A Synthesis of Genistein," <i>J. Chem. Soc.</i> pp. 3115 -3118 (1928)					
	AI	Baker et al., " <i>A new synthesis of isoflavones</i> ," Part II. <i>J. Chem. Soc.</i> , pp. 1860-1864 (1953)					
	AJ	Gao et al., "Synthesis of Potential Antidipsotropic Isoflavones:...", <i>J. Med. Chem.</i> 44:3320-3328 (2001)					
	AK	Gao et al., "Synthesis of Daidzin Analogues as Potential Agents for Alcohol Abuse," <i>Bioorganic &amp; Medicinal Chemistry</i> , 11:4069-4081 (2003)					
	AL	Heyman et al., "Daidzin Decreases Ethanol Consumption in Rats," <i>Acad. Clin. and Exp. Res.</i> , 20(6):1083-1087 (1996)					
	AM	Keung et al., "Daidzin and daidzein suppresses free-choice ethanol intake by Syrian Golden hamsters," <i>Proc. Natl. Acad. Sci. USA</i> , 90:10008-10012 (1993)					
	AN	Keung et al., "Therapeutic lessons from traditional Oriental medicine to contemporary Occidental pharmacology," <i>EXS</i> 71:371-381 (1994)					
	AO	Keung et al., "Daidzin inhibits mitochondrial aldehyde dehydrogenase and suppresses ethanol intake of Syrian golden hamsters," <i>Proc. National. Acad. Sci. USA</i> , 94:1675-1679 (1997)					
	AP	Keung et al., "Daidzin and its antidipsotropic analogs inhibit serotonin and dopamine metabolism in isolated mitochondria," <i>Proc. Natl. Acad. Sci. USA</i> 95:2198-2203 (1998)					
	AQ	Li et al., "Synthesis of isoflavones derivatives (I)-7-methoxy-3'-N, N-dialkylaminomethyl-4'-hydroxy isoflavones," <i>Chinese J. Med. Chem.</i> , 1(2):38-42 (1991)					
EXAMINER				DATE CONSIDERED			
<p><small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.</small></p>							

## INFORMATION DISCLOSURE CITATION

Sheet 2 of 2

Applicants: **Wing Ming Keung et al.**Filing Date **June 27, 20093:**Group: **1614**

## U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	BK							
	BL							
	BM							
	BN							
	BO							

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

	BP	Lin et al., "Isoflavonoid Compounds Extracted from <i>Pueraria lobata</i> Suppress Alcohol Preference in a Pharmacogenetic Rat Model of Alcoholism," <i>Alcohol. Clin. Exp. Res.</i> , 20:659-663 (1996)
	BQ	Nilsson and Tottmar, "Biogenic aldehydes in brain: on their preparation and reactions with rat brain tissue," <i>J. Neurochem.</i> , 48:1566-1572 (1987).
	BR	Rooke et al., "The Mitochondrial Monoamine Oxidase—Aldehyde Dehydrogenase Pathway. . .", <i>J. Med. Chem.</i> , 43:4169-4179 (2000)
	BS	Strejan et al., "Suppression of Chronic-Relapsing Experimental Allergic Encephalomyelitis in Strain-13 Guinea Pigs by Administration of Liposome-Associated Myelin Basic Protein," <i>J. Neuroimmunol.</i> 7:27-41 (1984)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. \*\*Copies of references not provided at the time of this submission.